



(19)

(11) Publication number:

02055823

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 63204263

(51) Intl. Cl.: F01N 7/10

(22) Application date: 17.08.88

(30) Priority:		(71) Applicant: NIPPON STEEL CORP
(43) Date of application publication:	26.02.90	(72) Inventor: TERADA HIROYOSHI IWAMI KAZUTOSHI AKIYOSHI TADASHI FUCHI YOSHIO
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(54) EXHAUST MANIFOLD

(57) Abstract:

PURPOSE: To contrive the improvement of heat insulation by dividing a multi-branch pipe structure into two parts in a direction orthogonal with the direction of an axial line and forming each member by a fine ceramics-made inner side pipe unit, porous ceramics-made heat insulating elastic layer and a metal-made outer side pipe unit.

CONSTITUTION: A multi-branch pipe structure, collecting exhaust gas from its inflow ports 2 to outflow port 3, is divided into two parts in a direction orthogonal with the direction of an axial line. Each member is formed into a triple pipe structure comprising an inner side pipe unit 4 consisting of fine ceramics sintered material, heat insulating elastic layer 5 consisting of porous ceramics molded material and a metal-made outer side pipe unit 6. In this way, the heat insulation can be improved with a heat transfer rate decreased.

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